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DATE: Monday, September 20, 2004

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	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L4	NES1	48
<input type="checkbox"/>	L3	normal epithelial specific	4
<input type="checkbox"/>	L2	L1 and human	4
<input type="checkbox"/>	L1	normal epithelial specific and protease	4

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20020106367 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 4

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020106367

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020106367 A1

TITLE: NES-1 polypeptides, DNA, and related molecules and methods

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Band, Vimla	Natick	MA	US	

US-CL-CURRENT: [424/94.63](#); [435/226](#), [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMK	Draw D
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☐ 2. Document ID: US 6153387 A

L3: Entry 2 of 4

File: USPT

Nov 28, 2000

US-PAT-NO: 6153387

DOCUMENT-IDENTIFIER: US 6153387 A

TITLE: NES-1 polypeptides, DNA, and related molecules and methods

DATE-ISSUED: November 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Band; Vimla	Natick	MA		

US-CL-CURRENT: [435/6](#); [435/219](#), [435/226](#), [435/252.33](#), [435/254.11](#), [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.2](#), [536/23.5](#)

ABSTRACT:

Disclosed is substantially pure NES1 polypeptide and purified DNA, vectors, and cells encoding that polypeptide. Also disclosed are methods for carcinoma detection

and treatment using the NES1 sequence.

14 Claims, 1 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw D
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☐ 3. Document ID: US 5843694 A

L3: Entry 3 of 4

File: USPT

Dec 1, 1998

US-PAT-NO: 5843694

DOCUMENT-IDENTIFIER: US 5843694 A

TITLE: Methods for identification of modulatory compounds for the expression of the NES1 protein

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Band; Vimla	Natick	MA		

US-CL-CURRENT: 435/23; 435/212, 435/219, 435/226

ABSTRACT:

The expression and purification of normal epithelial specific polypeptide (NES 1) which is expressed in normal cells, but not in radiation transformed cells, are described. Both the DNA sequence encoding the NES1 and the corresponding amino acid sequence are disclosed. Also, disclosed are methods for carcinoma detection and treatment using the NES1 as well as methods of identifying compounds modulating the expression and activity of NES1.

5 Claims, 15 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw D
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☐ 4. Document ID: US 5736377 A

L3: Entry 4 of 4

File: USPT

Apr 7, 1998

US-PAT-NO: 5736377

DOCUMENT-IDENTIFIER: US 5736377 A

TITLE: NES-1 polypeptides, DNA, and related molecules and methods

DATE-ISSUED: April 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Band; Vimla	Natick	MA		

US-CL-CURRENT: 435/219; 435/212, 435/226, 530/350

ABSTRACT:

The expression and purification of normal epithelial specific polypeptide (NES1) which is expressed in normal cells, but not in radiation transformed cells, are described. Both the DNA sequence encoding the NES1 and the corresponding amino acid sequence are disclosed. Also, disclosed are methods for carcinoma detection and treatment using the NES1 as well as methods of identifying compounds modulating the expression and activity of NES1.

2 Claims, 15 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Terms	Documents
normal epithelial specific	4

Display Format: [Previous Page](#)[Next Page](#)[Go to Doc#](#)

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Search Results - Record(s) 1 through 20 of 48 returned.

☐ 1. Document ID: US 20040115745 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 48

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040115745

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040115745 A1

TITLE: Detection of ovarian cancer

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Diamandis, Eleftherios P.	Toronto		CA	
Luo, Liu-Ying	Toronto		CA	

US-CL-CURRENT: 435/7.23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw D
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☐ 2. Document ID: US 20040058342 A1

L4: Entry 2 of 48

File: PGPB

Mar 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040058342

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040058342 A1

TITLE: Novel kallikrein gene

PUBLICATION-DATE: March 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yousef, George M	Toronto		CA	
Diamandis, Eleftherios P	Toronto		CA	

US-CL-CURRENT: 435/6; 435/226, 435/320.1, 435/325, 435/69.1, 530/388.26, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw D
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☐ 3. Document ID: US 20040058325 A1

L4: Entry 3 of 48

File: PGPB

Mar 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040058325

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040058325 A1

TITLE: Gene expression in biological conditions

PUBLICATION-DATE: March 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Orntoft, Torben F	Aabyhoi		DK	
Thykjaer, Thomas	Brabrand		DK	
Demtroder, Karin	Ronde		DK	
Frederiksen, Casper Moller	Copenhagen		DK	

US-CL-CURRENT: 435/6; 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw D
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☐ 4. Document ID: US 20040033502 A1

L4: Entry 4 of 48

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040033502

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040033502 A1

TITLE: Gene expression profiles in esophageal tissue

PUBLICATION-DATE: February 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Williams, Amanda	Gaithersburg	MD	US	
Boland, Joseph F.	Gaithersburg	MD	US	
Lord, Reginald V.	Gaithersburg	MD	US	
Alvares, Christopher	Gaithersburg	MD	US	
Wetzel, Jon C.	Gaithersburg	MD	US	
Scherf, Uwe	Gaithersburg	MD	US	
Vockley, Joseph G.	Gaithersburg	MD	US	

US-CL-CURRENT: 435/6; 514/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw D
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☐ 5. Document ID: US 20040029114 A1

L4: Entry 5 of 48

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040029114

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040029114 A1

TITLE: Methods of diagnosis of breast cancer, compositions and methods of screening for modulators of breast cancer

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mack, David H.	Menlo Park	CA	US	
Gish, Kurt C.	San Francisco	CA	US	
Afar, Daniel	Brisbane	CA	US	

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 6. Document ID: US 20040001801 A1

L4: Entry 6 of 48

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040001801

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040001801 A1

TITLE: Conjugates activated by cell surface proteases and therapeutic uses thereof

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Madison, Edwin L.	San Diego	CA	US	
Semple, Joseph Edward	San Diego	CA	US	
Vlasuk, George P.	Carlsbad	CA	US	
Kemp, Scott Jeffrey	San Diego	CA	US	
Komandla, Mallareddy	San Diego	CA	US	
Siev, Daniel Vanna	San Diego	CA	US	

US-CL-CURRENT: 424/85.1; 424/236.1, 424/85.2, 514/12, 514/8, 530/351, 530/370, 530/395, 530/399

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 7. Document ID: US 20030235900 A1

L4: Entry 7 of 48

File: PGPB

Dec 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030235900
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030235900 A1

TITLE: Nucleic acid molecules encoding a transmembrane serine protease 10, the encoded polypeptides and methods based thereon

PUBLICATION-DATE: December 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Madison, Edwin L.	San Diego	CA	US	
Yeh, Jiunn-Chern	San Diego	CA	US	

US-CL-CURRENT: 435/226; 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMO	Draw D
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☐ 8. Document ID: US 20030224993 A1

L4: Entry 8 of 48

File: PGPB

Dec 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030224993
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030224993 A1

TITLE: Compositions that inhibit proliferation of cancer cells

PUBLICATION-DATE: December 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Land, Hartmut	Rochester	NY	US	
Deleu, Laurent	Rochester	NY	US	

US-CL-CURRENT: 514/12; 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMO	Draw D
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☐ 9. Document ID: US 20030181658 A1

L4: Entry 9 of 48

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030181658
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030181658 A1

TITLE: Nucleic acid molecules encoding serine protease CVSP14, the encoded polypeptides and methods based thereon

PUBLICATION-DATE: September 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Madison, Edwin L.	San Diego	CA	US	
Yeh, Jiunn-Chern	San Diego	CA	US	

US-CL-CURRENT: 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 10. Document ID: US 20030166851 A1

L4: Entry 10 of 48

File: PGPB

Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030166851

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030166851 A1

TITLE: Nucleic acid molecules encoding a transmembrane serine protease 9, the encoded polypeptides and methods based thereon

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Madison, Edwin	San Diego	CA	US	
Ong, Edgar O.	San Diego	CA	US	

US-CL-CURRENT: 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 11. Document ID: US 20030143219 A1

L4: Entry 11 of 48

File: PGPB

Jul 31, 2003

PGPUB-DOCUMENT-NUMBER: 20030143219

PGPUB-FILING-TYPE: original-publication-amended

DOCUMENT-IDENTIFIER: US 20030143219 A1

TITLE: NUCLEIC ACID MOLECULES ENCODING A TRANSMEMBRANE SERINE PROTEASE 25, THE ENCODED POLYPEPTIDES AND METHODS BASED THEREON

PUBLICATION-DATE: July 31, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
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Madison , Edwin L San Diego CA US
Yeh , Jiunn-Chern San Diego CA US

US-CL-CURRENT: 424/94.67; 435/226, 435/320.1, 435/325, 435/6, 435/69.1, 435/7.9,
530/388.26, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw D
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☐ 12. Document ID: US 20030138783 A1

L4: Entry 12 of 48

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030138783
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030138783 A1

TITLE: Aberrantly methylated genes as markers of breast malignancy

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sukumar, Saraswati	Columbia	MD	US	
Evron, Ella	Baltimore	MD	US	
Dooley, William C.	Oklahoma City	OK	US	
Sacchi, Nicoletta	North Potomac	MD	US	
Davidson, Nancy	Baltimore	MD	US	
Fackler, Mary Jo	Hunt Valley	MD	US	

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw D
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☐ 13. Document ID: US 20030134794 A1

L4: Entry 13 of 48

File: PGPB

Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030134794
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030134794 A1

TITLE: Nucleic acid molecules encoding serine protease 17, the encoded polypeptides and methods based thereon

PUBLICATION-DATE: July 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Madison, Edwin L.	San Diego	CA	US	
Ong, Edgar O.	San Diego	CA	US	

US-CL-CURRENT: 514/12; 424/146.1, 435/226, 435/320.1, 435/325, 435/6, 435/69.1,
530/388.26, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMK	Draw D
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☐ 14. Document ID: US 20030134298 A1

L4: Entry 14 of 48

File: PGPB

Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030134298
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030134298 A1

TITLE: Nucleic acid molecules encoding a transmembrane serine protease 20, the encoded polypeptides and methods based thereon

PUBLICATION-DATE: July 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Madison, Edwin L.	San Diego	CA	US	
Ong, Edgar O.	San Diego	CA	US	

US-CL-CURRENT: 435/6; 435/226, 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMK	Draw D
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☐ 15. Document ID: US 20030124605 A1

L4: Entry 15 of 48

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124605
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030124605 A1

TITLE: Detection methods based on HR23 protein binding molecules

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hoeijmakers, Jan H.J.	Zevenhuizen		NL	
Bergink, Steven	Rotterdam		NL	
Johannes van der Horst, Gijsbertus Theodorus	Rhoon		NL	
Vermeulen, Wim	Zwijndrecht		NL	
Ng, Mei Yin	Den Haag		NL	

US-CL-CURRENT: 435/6; 435/354, 435/7.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMK	Draw D
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☐ 16. Document ID: US 20030119168 A1

L4: Entry 16 of 48

File: PGPB

Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030119168
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030119168 A1

TITLE: Nucleic acid molecules encoding transmembrane serine proteases, the encoded proteins and methods based thereon

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Madison, Edwin L.	San Diego	CA	US	
Ong, Edgar O.	San Diego	CA	US	
Yeh, Jiunn-Chern	San Diego	CA	US	

US-CL-CURRENT: 435/226; 435/320.1, 435/325, 435/69.1, 435/7.23, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 17. Document ID: US 20030087816 A1

L4: Entry 17 of 48

File: PGPB

May 8, 2003

PGPUB-DOCUMENT-NUMBER: 20030087816
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030087816 A1

TITLE: Novel proteins and nucleic acids encoding same

PUBLICATION-DATE: May 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Vermet, Corine	Gainesville	FL	US	
Fernandes, Elma	Branford	CT	US	
Shimkets, Richard	West Haven	CT	US	
Herrmann, John	Guilford	CT	US	
Majumder, Kumud	Stamford	CT	US	
MacDougall, John	Hamden	CT	US	
Mishra, Vishnu	Gainesville	FL	US	
Mezes, Peter S.	Old Lyme	CT	US	
Rastelli, Luca	Guilford	CT	US	

US-CL-CURRENT: 514/12; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMO	Draw D
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☐ 18. Document ID: US 20030082511 A1

L4: Entry 18 of 48

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030082511

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030082511 A1

TITLE: Identification of modulatory molecules using inducible promoters

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Brown, Steven J.	San Diego	CA	US	
Dunnington, Damien J.	San Diego	CA	US	
Clark, Imran	San Diego	CA	US	

US-CL-CURRENT: 435/4; 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMO	Draw D
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☐ 19. Document ID: US 20030064477 A1

L4: Entry 19 of 48

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030064477

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030064477 A1

TITLE: Novel E6 targeted protein (E6TP1)

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Band, Vimla	Waban	MA	US	
Gao, Qingshen	Winchester	MA	US	

US-CL-CURRENT: 435/69.2; 435/184, 435/320.1, 435/325, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMO	Draw D
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☐ 20. Document ID: US 20030017454 A1

L4: Entry 20 of 48

File: PGPB

Jan 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030017454
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030017454 A1

TITLE: Aberrantly methylated genes as markers of breast malignancy

PUBLICATION-DATE: January 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sukumar, Saraswati	Columbia	MD	US	
Evron, Ella	Baltimore	MD	US	
Dooley, William C.	Oklahoma City	OK	US	
Sacchi, Nicoletta	North Potomac	MD	US	
Davidson, Nancy	Baltimore	MD	US	

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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Search Results - Record(s) 21 through 40 of 48 returned.☐ 21. Document ID: US 20030008372 A1**Using default format because multiple data bases are involved.**

L4: Entry 21 of 48

File: PGPB

Jan 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030008372

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030008372 A1

TITLE: Nucleic acid molecules encoding a transmembrane serine protease 7, the encoded polypeptides and methods based thereon

PUBLICATION-DATE: January 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Madison, Edwin L.	San Diego	CA	US	
Ong, Edgar O.	San Diego	CA	US	

US-CL-CURRENT: [435/226](#); [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Form	Draw D
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☐ 22. Document ID: US 20020182619 A1

L4: Entry 22 of 48

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020182619

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020182619 A1

TITLE: Compositions, kits, and methods for identification, assessment, prevention, and therapy of ovarian cancer

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lillie, James	Natick	MA	US	
Mills, Gordon	Houston	TX	US	
Lee, John	Somerville	MA	US	

US-CL-CURRENT: [435/6](#); [435/7.23](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 23. Document ID: US 20020165188 A1

L4: Entry 23 of 48

File: PGPB

Nov 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020165188

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020165188 A1

TITLE: Methods for inhibition of tumorigenic properties of melanoma cells

PUBLICATION-DATE: November 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Herlyn, Meenhard	Wynnewood	PA	US	
Satyamoorthy, Kapaettu	Swarthmore	PA	US	

US-CL-CURRENT: [514/44](#); [424/145.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 24. Document ID: US 20020155115 A1

L4: Entry 24 of 48

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020155115

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020155115 A1

TITLE: Novel proteins and nucleic acids encoding same

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Vernet, Corine A.M.	North Branford	CT	US	
Fernandes, Elma R.	Branford	CT	US	
Shimkets, Richard A.	West Haven	CT	US	
Herrmann, John L.	Guilford	CT	US	
Majumder, Kumud	Stamford	CT	US	
MacDougall, John R.	Hamden	CT	US	
Mishra, Vishnu S.	Gainesville	FL	US	
Mezes, Peter S.	Old Lyme	CT	US	
Rastelli, Luca	Guilford	CT	US	

US-CL-CURRENT: [424/155.1](#); [435/320.1](#), [435/325](#), [435/6](#), [435/7.23](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 25. Document ID: US 20020106367 A1

L4: Entry 25 of 48

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020106367

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020106367 A1

TITLE: NES-1 polypeptides, DNA, and related molecules and methods

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Band, Vimla	Natick	MA	US	

US-CL-CURRENT: 424/94.63; 435/226, 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 26. Document ID: US 20020098201 A1

L4: Entry 26 of 48

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020098201

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020098201 A1

TITLE: Novel myxoma genes for immune modulation

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
McFadden, Grant	London		CA	

US-CL-CURRENT: 424/204.1; 435/343.2, 435/5, 435/91.33, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 27. Document ID: US 6780973 B1

L4: Entry 27 of 48

File: USPT

Aug 24, 2004

US-PAT-NO: 6780973

DOCUMENT-IDENTIFIER: US 6780973 B1

TITLE: Eotaxin: an eosinophil chemoattractant

DATE-ISSUED: August 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Luster; Andrew D.	Wellesley	MA		
Leder; Philip	Chestnut Hill	MA		
Rothenberg; Marc	Brookline	MA		
Garcia; Eduardo	Somerville	MA		

US-CL-CURRENT: 530/350; 435/252.3, 435/254.11, 435/320.1, 435/325, 435/471,
435/69.5, 435/71.1, 435/71.2, 536/23.5, 536/24.3, 536/24.31

ABSTRACT:

Disclosed is substantially pure eotaxin DNA sequence and eotaxin polypeptide, and methods of using such DNA and polypeptide to direct chemotaxis of eosinophils. Methods are provided for the treatment diseases and disorders such as inflammation and tumorigenesis.

9 Claims, 21 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	References	Claims	KWIC	Draw D
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☐ 28. Document ID: US 6756200 B2

L4: Entry 28 of 48

File: USPT

Jun 29, 2004

US-PAT-NO: 6756200

DOCUMENT-IDENTIFIER: US 6756200 B2

TITLE: Aberrantly methylated genes as markers of breast malignancy

DATE-ISSUED: June 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sukumar; Saraswati	Columbia	MD		
Evron; Ella	Baltimore	MD		
Dooley; William C.	Oklahoma City	OK		
Sacchi; Nicoletta	North Potomac	MD		
Davidson; Nancy	Baltimore	MD		

US-CL-CURRENT: 435/6; 435/91.1, 435/91.2, 536/23.1, 536/24.3

ABSTRACT:

The invention is directed to a method of diagnosing a cell proliferative disorder

of breast tissue by determining the methylation status of nucleic acids obtained from a subject. Aberrant methylation of several genes including TWIST, HOXA5, NES-1, retinoic acid receptor beta (RAR.beta.), estrogen receptor (ER), cyclin D2, WT-1, 14.3.3 sigma, and combinations of such genes serve as markers of breast malignancy.

18 Claims, 25 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMIC	Drawing
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☐ 29. Document ID: US 6706483 B1

L4: Entry 29 of 48

File: USPT

Mar 16, 2004

US-PAT-NO: 6706483

DOCUMENT-IDENTIFIER: US 6706483 B1

TITLE: Method of identifying and treating invasive carcinomas

DATE-ISSUED: March 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chai; Karl X.	Winter Springs	FL		
Chen; Li-Mei	Winter Springs	FL		
Chao; Lee	Mr. Pleasant	SC		
Chao; Julie	Mr. Pleasant	SC		

US-CL-CURRENT: 435/6; 436/64, 536/23.1, 536/23.2, 536/23.5

ABSTRACT:

Prostasin protein has been found to be a useful marker for determination of the invasiveness of and as a means to treat human carcinomas. Using RT-PCR and western blot analyses, prostasin protein and mRNA expression were found in normal human prostate epithelial cells and the human prostate cancer cell line LNCaP, but not in the highly invasive human prostate cancer cell lines DU-145 and PC-3.

Immunohistochemistry studies of human prostate cancer specimens revealed a down-regulation of prostasin in high-grade tumors. Using RT-PCR and western blot analyses, prostasin protein and mRNA expression were found in a non-invasive human breast cancer cell line, MCF-7, while invasive human breast cancer cell lines MDA-MB-231 and MDA-MB-435s were found not to express either the prostasin protein or the mRNA. A non-invasive human breast cancer cell line, MDA-MB-453, was shown to express prostasin mRNA but not prostasin protein. Transfection of DU-145 and PC-3 cells with a full-length human prostasin cDNA restored prostasin expression and reduced the in vitro invasiveness by 68% and 42%, respectively. Transfection of MDA-MB-231 and MDA-MB-435s cells with a full-length human prostasin cDNA restored prostasin expression and reduced the in vitro invasiveness by 50% for either cell line.

6 Claims, 0 Drawing figures

Exemplary Claim Number: 1
Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw. D
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☐ 30. Document ID: US 6689614 B1

L4: Entry 30 of 48

File: USPT

Feb 10, 2004

US-PAT-NO: 6689614
DOCUMENT-IDENTIFIER: US 6689614 B1

TITLE: Method of identifying and treating invasive carcinomas

DATE-ISSUED: February 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chai; Karl X.	Winter Springs	FL		
Chen; Li-Mei	Winter Springs	FL		
Chao; Lee	Mr. Pleasant	SC		
Chao; Julie	Mr. Pleasant	SC		

US-CL-CURRENT: 436/64; 424/9.1, 435/7.1, 435/7.23

ABSTRACT:

Prostasin protein has been found to be a useful marker for determination of the invasiveness of and as a means to treat human carcinomas. Using RT-PCR and western blot analyses, prostasin protein and mRNA expression were found in normal human prostate epithelial cells and the human prostate cancer cell line LNCaP, but not in the highly invasive human prostate cancer cell lines DU-145 and PC-3. Immunohistochemistry studies of human prostate cancer specimens revealed a down-regulation of prostasin in high-grade tumors. Using RT-PCR and western blot analyses, prostasin protein and mRNA expression were found in a non-invasive human breast cancer cell line, MCF-7, while invasive human breast cancer cell lines MDA-MB-231 and MDA-MB-435s were found not to express either the prostasin protein or the mRNA. A non-invasive human breast cancer cell line, MDA-MB-453, was shown to express prostasin mRNA but not prostasin protein. Transfection of DU-145 and PC-3 cells with a full-length human prostasin cDNA restored prostasin expression and reduced the in vitro invasiveness by 68% and 42%, respectively. Transfection of MDA-MB-231 and MDA-MB-435s cells with a full-length human prostasin cDNA restored prostasin expression and reduced the in vitro invasiveness by 50% for either cell line.

4 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw. D
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☐ 31. Document ID: US 6590870 B1

L4: Entry 31 of 48

File: USPT

Jul 8, 2003

US-PAT-NO: 6590870

DOCUMENT-IDENTIFIER: US 6590870 B1

TITLE: Transmission of alternating delimiter code to achieve byte alignment when using in-band digital code sequences to remotely provision network interface device terminating local loop

DATE-ISSUED: July 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mellberg; Brian G.	Madison	AL		

US-CL-CURRENT: 370/249; 370/522

ABSTRACT:

A control link establishment code sequence for interrogating a network element interface (NEI) device terminating a local digital data services loop of a telecommunications network has an in-band code exclusive of codes currently employed to represent functional operations to be executed by a channel unit. Once a virtual link is established, a command--response mode session is conducted. To provide for byte alignment over the local loop for remote provisioning protocol employed at various violation mode rates, each command--response code byte is repeatedly transmitted, and a `delimiter` byte is interleaved with successively repeated ones of the same code byte. Response messages from the NEI device also have code repeats interleaved with the delimiter byte.

22 Claims, 11 Drawing figures

Exemplary Claim Number: 17

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Keywords	Drawings
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☐ 32. Document ID: US 6569684 B2

L4: Entry 32 of 48

File: USPT

May 27, 2003

US-PAT-NO: 6569684

DOCUMENT-IDENTIFIER: US 6569684 B2

TITLE: Method of identifying and treating invasive carcinomas

DATE-ISSUED: May 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chai; Karl X.	Winter Springs	FL		

Chen; Li-Mei	Winter Springs	FL
Chao; Lee	Mr. Pleasant	SC
Chao; Julie	Mr. Pleasant	SC

US-CL-CURRENT: [436/64](#); [424/9.1](#), [536/23.1](#), [536/23.5](#)

ABSTRACT:

Prostasin protein has been found to be a useful marker for determination of the invasiveness of and as a means to treat human carcinomas. Using RT-PCR and western blot analyses, prostasin protein and mRNA expression were found in normal human prostate epithelial cells and the human prostate cancer cell line LNCaP, but not in the highly invasive human prostate cancer cell lines DU-145 and PC-3. Immunohistochemistry studies of human prostate cancer specimens revealed a down-regulation of prostasin in high-grade tumors. Using RT-PCR and western blot analyses, prostasin protein and mRNA expression were found in a non-invasive human breast cancer cell line, MCF-7, while invasive human breast cancer cell lines MDA-MB-231 and MDA-MB-435s were found not to express either the prostasin protein or the mRNA. A non-invasive human breast cancer cell line, MDA-MB-453, was shown to express prostasin mRNA but not prostasin protein. Transfection of DU-145 and PC-3 cells with a full-length human prostasin cDNA restored prostasin expression and reduced the in vitro invasiveness by 68% and 42%, respectively. Transfection of MDA-MB-231 and MDA-MB-435s cells with a full-length human prostasin cDNA restored prostasin expression and reduced the in vitro invasiveness by 50% for either cell line.

6 Claims, 14 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	MMMC	Draw D
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☐ 33. Document ID: US 6403782 B1

L4: Entry 33 of 48

File: USPT

Jun 11, 2002

US-PAT-NO: 6403782

DOCUMENT-IDENTIFIER: US 6403782 B1

**** See image for Certificate of Correction ****

TITLE: Nucleic acid encoding eotaxin

DATE-ISSUED: June 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Luster; Andrew D.	Wellesley	MA		
Leder; Philip	Chestnut Hill	MA		
Rothenberg; Marc	Brookline	MA		
Garcia; Eduardo	Somerville	MA		

US-CL-CURRENT: [536/23.5](#); [435/252.3](#), [435/254.11](#), [435/320.1](#), [435/325](#), [435/471](#),

435/69.5, 435/71.1, 435/71.2, 530/324

ABSTRACT:

Disclosed is substantially pure eotaxin DNA sequence and eotaxin polypeptide, and methods of using such DNA and polypeptide to direct chemotaxis of eosinophils. Methods are provided for the treatment diseases and disorders such as inflammation and tumorigenesis.

11 Claims, 21 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Exemptions	Patent Status	Claims	EMC	Draw D
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☐ 34. Document ID: US 6153387 A

L4: Entry 34 of 48

File: USPT

Nov 28, 2000

US-PAT-NO: 6153387

DOCUMENT-IDENTIFIER: US 6153387 A

TITLE: NES-1 polypeptides, DNA, and related molecules and methods

DATE-ISSUED: November 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Band; Vimla	Natick	MA		

US-CL-CURRENT: 435/6; 435/219, 435/226, 435/252.33, 435/254.11, 435/320.1, 435/325, 435/69.1, 536/23.2, 536/23.5

ABSTRACT:

Disclosed is substantially pure NES1 polypeptide and purified DNA, vectors, and cells encoding that polypeptide. Also disclosed are methods for carcinoma detection and treatment using the NES1 sequence.

14 Claims, 1 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Exemptions	Patent Status	Claims	EMC	Draw D
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☐ 35. Document ID: US 5843694 A

L4: Entry 35 of 48

File: USPT

Dec 1, 1998

US-PAT-NO: 5843694

DOCUMENT-IDENTIFIER: US 5843694 A

TITLE: Methods for identification of modulatory compounds for the expression of the NES1 protein

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Band; Vimla	Natick	MA		

US-CL-CURRENT: 435/23; 435/212, 435/219, 435/226

ABSTRACT:

The expression and purification of normal epithelial specific polypeptide (NES 1) which is expressed in normal cells, but not in radiation transformed cells, are described. Both the DNA sequence encoding the NES1 and the corresponding amino acid sequence are disclosed. Also, disclosed are methods for carcinoma detection and treatment using the NES1 as well as methods of identifying compounds modulating the expression and activity of NES1.

5 Claims, 15 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Abstracts	Claims	FIGS	Drawings
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☐ 36. Document ID: US 5736377 A

L4: Entry 36 of 48

File: USPT

Apr 7, 1998

US-PAT-NO: 5736377

DOCUMENT-IDENTIFIER: US 5736377 A

TITLE: NES-1 polypeptides, DNA, and related molecules and methods

DATE-ISSUED: April 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Band; Vimla	Natick	MA		

US-CL-CURRENT: 435/219; 435/212, 435/226, 530/350

ABSTRACT:

The expression and purification of normal epithelial specific polypeptide (NES1) which is expressed in normal cells, but not in radiation transformed cells, are described. Both the DNA sequence encoding the NES1 and the corresponding amino acid sequence are disclosed. Also, disclosed are methods for carcinoma detection and treatment using the NES1 as well as methods of identifying compounds modulating the expression and activity of NES1.

2 Claims, 15 Drawing figures

Exemplary Claim Number: 1
Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	FIGURE	Draw. De
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☐ 37. Document ID: US 5647803 A

L4: Entry 37 of 48

File: USPT

Jul 15, 1997

US-PAT-NO: 5647803
DOCUMENT-IDENTIFIER: US 5647803 A

TITLE: Thread cutting device

DATE-ISSUED: July 15, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Killer; Lawrence	Kelowna, British Columbia			CA

US-CL-CURRENT: 470/67; 82/56

ABSTRACT:

A device for cutting threads into an unthreaded end of a shaft member has a cutting blade support member mountable on a first side of an elongate frame, an adjustably moveable shaft support mountable on a second end of the elongate frame in opposed relation to the cutting blade support member, and means for adjustably moving the shaft support member between a shaft clamping position and a shaft releasing position. The cutting blade support member has cutting blades in radially spaced apart relation depending therefrom, the radially spaced arrangement so as to engage the cutting blades tangentially with a shaft held between the cutting blades and the shaft supporting member when the shaft supporting member is in the shaft clamping position. The elongate frame rigidly supports the cutting blade support member and the shaft support member in opposed relation when the shaft is clamped therebetween.

3 Claims, 2 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	FIGURE	Draw. De
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☐ 38. Document ID: US 5572501 A

L4: Entry 38 of 48

File: USPT

Nov 5, 1996

US-PAT-NO: 5572501
DOCUMENT-IDENTIFIER: US 5572501 A

TITLE: Optical pickup actuator focus control with reference to a focus zero

detection signal and a focus servo drive zero detection signal

DATE-ISSUED: November 5, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kim; Goonjin	Seoul			KR

US-CL-CURRENT: 369/44.29; 250/201.5, 369/44.32, 369/44.35

ABSTRACT:

Disclosed is a focus servo circuit for an optical pickup actuator capable of performing a normal focusing operation accurately and fast with detecting predetermined regions of a focus error signal and focus servo drive signal. The circuit has a focus zero detection unit for generating a focus zero detection signal with a detection of a predetermined region including a zero crossing from the focus error signal, a drive signal zero detection unit for generating a focus servo drive zero detection signal with a detection of a predetermined region including a zero crossing from the focus error signal and a unit for controlling the focus start enable signal thereby to start a focus servo of the optical pickup actuator with reference to both of the focus zero detection signal and the focus servo drive zero detection signal.

3 Claims, 6 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Attachments	Claims	Form	Draw. De
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☐ 39. Document ID: WO 9639175 A1

L4: Entry 39 of 48

File: EPAB

Dec 12, 1996

PUB-NO: WO009639175A1

DOCUMENT-IDENTIFIER: WO 9639175 A1

TITLE: NES-1 POLYPEPTIDES, DNA, AND RELATED MOLECULES AND METHODS

PUBN-DATE: December 12, 1996

INVENTOR-INFORMATION:

NAME	COUNTRY
BAND, VIMLA	

INT-CL (IPC): A61 K 38/46; A61 K 38/48; C12 N 9/48; C12 N 9/50; C12 N 1/20; C12 N 15/00; C12 N 15/63; C07 H 21/02; C07 H 21/04; C07 K 14/00

ABSTRACT:

Disclosed is substantially pure NES1 polypeptide and purified DNA, vectors, and cells encoding that polypeptide. Also disclosed are methods for carcinoma detection and treatment using the NES1 sequence.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Index	Drawings
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☐ 40. Document ID: WO 9639175 A1, US 20020106367 A1, AU 9658009 A, US 5736377 A, US 5843694 A, US 6153387 A

L4: Entry 40 of 48

File: DWPI

Dec 12, 1996

DERWENT-ACC-NO: 1997-042855

DERWENT-WEEK: 200254

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TITLE: NES1 polypeptide, negatively associated with epithelial cell malignancy - provides diagnostic marker for breast, cervical and prostate carcinoma, and can be useful for treating these diseases

INVENTOR: BAND, V

PRIORITY-DATA: 1995US-0467155 (June 6, 1995), 1996US-0628198 (April 5, 1996), 1998US-0201038 (November 30, 1998), 2000US-0605176 (June 28, 2000), 2001US-0021368 (December 12, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>WO 9639175 A1</u>	December 12, 1996	E	077	A61K038/46
<u>US 20020106367 A1</u>	August 8, 2002		000	A61K038/48
<u>AU 9658009 A</u>	December 24, 1996		000	A61K038/46
<u>US 5736377 A</u>	April 7, 1998		025	C12N009/50
<u>US 5843694 A</u>	December 1, 1998		000	F41G003/26
<u>US 6153387 A</u>	November 28, 2000		000	C12Q001/68

INT-CL (IPC): A61 K 38/46; A61 K 38/48; C07 H 21/02; C07 H 21/04; C07 K 14/00; C12 N 1/20; C12 N 5/06; C12 N 9/48; C12 N 9/50; C12 N 9/64; C12 N 15/00; C12 N 15/63; C12 P 21/02; C12 Q 1/68; F41 G 3/26

ABSTRACTED-PUB-NO: US 5736377A

BASIC-ABSTRACT:

Purified NES1 polypeptide (protease), is claimed. Also claimed are: (1) DNA encoding the NES1 polypeptide; (2) vector or cell comprising the DNA; and (3) antibody that specifically binds NES1 polypeptide.

USE - The NES1 polypeptide is a cell cycle-regulated serine protease, whose expression is negatively correlated with the presence of malignant epithelial cells, i.e. carcinomas. A decrease in NES1 expression provides a diagnostic marker for carcinomas, esp. of breast, cervical or prostate tissue. The anti-NES1 polypeptide antibody, the NES1 polypeptide and wild-type NES1 DNA are used in the various diagnostic kits. An NES1-associated malignancy can be treated by gene therapy using the DNA encoding the NES1 polypeptide as a transgene. Alternatively, the polypeptide can be administered directly for inhibiting growth of the malignancy. Modulatory cpds., which are identified by their ability to increase NES1 expression, will be useful for treating diseases involving decreased expression of the NES1 gene.

ABSTRACTED-PUB-NO:

US 5843694A EQUIVALENT-ABSTRACTS:

Purified NES1 polypeptide (protease), is claimed. Also claimed are: (1) DNA encoding the NES1 polypeptide; (2) vector or cell comprising the DNA; and (3) antibody that specifically binds NES1 polypeptide.

USE - The NES1 polypeptide is a cell cycle-regulated serine protease, whose expression is negatively correlated with the presence of malignant epithelial cells, i.e. carcinomas. A decrease in NES1 expression provides a diagnostic marker for carcinomas, esp. of breast, cervical or prostate tissue. The anti-NES1 polypeptide antibody, the NES1 polypeptide and wild-type NES1 DNA are used in the various diagnostic kits. An NES1-associated malignancy can be treated by gene therapy using the DNA encoding the NES1 polypeptide as a transgene. Alternatively, the polypeptide can be administered directly for inhibiting growth of the malignancy. Modulatory cpds., which are identified by their ability to increase NES1 expression, will be useful for treating diseases involving decreased expression of the NES1 gene.

Purified NES1 polypeptide (protease), is claimed. Also claimed are: (1) DNA encoding the NES1 polypeptide; (2) vector or cell comprising the DNA; and (3) antibody that specifically binds NES1 polypeptide.

USE - The NES1 polypeptide is a cell cycle-regulated serine protease, whose expression is negatively correlated with the presence of malignant epithelial cells, i.e. carcinomas. A decrease in NES1 expression provides a diagnostic marker for carcinomas, esp. of breast, cervical or prostate tissue. The anti-NES1 polypeptide antibody, the NES1 polypeptide and wild-type NES1 DNA are used in the various diagnostic kits. An NES1-associated malignancy can be treated by gene therapy using the DNA encoding the NES1 polypeptide as a transgene. Alternatively, the polypeptide can be administered directly for inhibiting growth of the malignancy. Modulatory cpds., which are identified by their ability to increase NES1 expression, will be useful for treating diseases involving decreased expression of the NES1 gene.

US 6153387A

Purified NES1 polypeptide (protease), is claimed. Also claimed are: (1) DNA encoding the NES1 polypeptide; (2) vector or cell comprising the DNA; and (3) antibody that specifically binds NES1 polypeptide.

USE - The NES1 polypeptide is a cell cycle-regulated serine protease, whose expression is negatively correlated with the presence of malignant epithelial cells, i.e. carcinomas. A decrease in NES1 expression provides a diagnostic marker for carcinomas, esp. of breast, cervical or prostate tissue. The anti-NES1 polypeptide antibody, the NES1 polypeptide and wild-type NES1 DNA are used in the various diagnostic kits. An NES1-associated malignancy can be treated by gene therapy using the DNA encoding the NES1 polypeptide as a transgene. Alternatively, the polypeptide can be administered directly for inhibiting growth of the malignancy. Modulatory cpds., which are identified by their ability to increase NES1 expression, will be useful for treating diseases involving decreased expression of the NES1 gene.

US20020106367A

Purified NES1 polypeptide (protease), is claimed. Also claimed are: (1) DNA encoding the NES1 polypeptide; (2) vector or cell comprising the DNA; and (3) antibody that specifically binds NES1 polypeptide.

USE - The NES1 polypeptide is a cell cycle-regulated serine protease, whose expression is negatively correlated with the presence of malignant epithelial cells, i.e. carcinomas. A decrease in NES1 expression provides a diagnostic marker for carcinomas, esp. of breast, cervical or prostate tissue. The anti-NES1 polypeptide antibody, the NES1 polypeptide and wild-type NES1 DNA are used in the various diagnostic kits. An NES1-associated malignancy can be treated by gene therapy using the DNA encoding the NES1 polypeptide as a transgene. Alternatively, the polypeptide can be administered directly for inhibiting growth of the malignancy. Modulatory cpds., which are identified by their ability to increase NES1 expression, will be useful for treating diseases involving decreased expression of the NES1 gene.

WO 9639175A

Full	Title	Citation	Front	Review	Classification	Date	Reference	Substances	Attachments	Claims	Keywords	Drawings
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
NES1	48

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Search Results - Record(s) 41 through 48 of 48 returned.

☐ 41. Document ID: SU 1643802 A

Using default format because multiple data bases are involved.

L4: Entry 41 of 48

File: DWPI

Apr 23, 1991

DERWENT-ACC-NO: 1992-015110

DERWENT-WEEK: 199202

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TITLE: Machine rotor resonance point shifting - by heating anti-ferro-magnetic filler in rotary inner cavity to point where second order phase transition takes place to paramagnetic state

INVENTOR: APPEL, M S; APPEL, S G

PRIORITY-DATA: 1989SU-4648228 (February 9, 1989), 1989SU-4648228 (February 9, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 1643802 A	April 23, 1991		000	

INT-CL (IPC): F04D 29/66

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 42. Document ID: US 2968768 A

L4: Entry 42 of 48

File: USOC

Jan 17, 1961

US-PAT-NO: 2968768

DOCUMENT-IDENTIFIER: US 2968768 A

TITLE: Noise separator to improve signal-to-noise ratio

DATE-ISSUED: January 17, 1961

INVENTOR-NAME: VOLKERS WALTER K

US-CL-CURRENT: 330/124R; 330/147

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 43. Document ID: US 2477603 A

L4: Entry 43 of 48

File: USOC

Aug 2, 1949

US-PAT-NO: 2477603

DOCUMENT-IDENTIFIER: US 2477603 A

TITLE: Photographic print drying and mounting apparatus

DATE-ISSUED: August 2, 1949

INVENTOR-NAME: HESTER DWIGHT H

US-CL-CURRENT: 34/144; 100/202, 100/226, 100/292, 100/322, 219/243

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Draw. De
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☐ 44. Document ID: US 1731248 A

L4: Entry 44 of 48

File: USOC

Oct 15, 1929

US-PAT-NO: 1731248

DOCUMENT-IDENTIFIER: US 1731248 A

TITLE: Glass-melting furnace

DATE-ISSUED: October 15, 1929

INVENTOR-NAME: NESTOR MAMBOURG

US-CL-CURRENT: 122/6.5; 65/335

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Draw. De
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☐ 45. Document ID: US 1653837 A

L4: Entry 45 of 48

File: USOC

Dec 27, 1927

US-PAT-NO: 1653837

DOCUMENT-IDENTIFIER: US 1653837 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: December 27, 1927

INVENTOR-NAME: Name not available

US-CL-CURRENT: 332/158; 331/43, 331/58, 332/159, 332/180, 332/182

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Draw. De
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☐ 46. Document ID: US 1489750 A

L4: Entry 46 of 48

File: USOC

Apr 8, 1924

US-PAT-NO: 1489750

DOCUMENT-IDENTIFIER: US 1489750 A

TITLE: Power-transmission mechanism

DATE-ISSUED: April 8, 1924

INVENTOR-NAME: FRALEY LAWRENCE V

US-CL-CURRENT: 74/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 47. Document ID: US 1446564 A

L4: Entry 47 of 48

File: USOC

Feb 27, 1923

US-PAT-NO: 1446564

DOCUMENT-IDENTIFIER: US 1446564 A

TITLE: Sublimation apparatus

DATE-ISSUED: February 27, 1923

INVENTOR-NAME: JACKSON LOUIS L

US-CL-CURRENT: 422/244; 422/290, 568/753

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 48. Document ID: US 1442520 A

L4: Entry 48 of 48

File: USOC

Jan 16, 1923

US-PAT-NO: 1442520

DOCUMENT-IDENTIFIER: US 1442520 A

TITLE: Purification of isopropyl ether

DATE-ISSUED: January 16, 1923

INVENTOR-NAME: BUC HYIM E

US-CL-CURRENT: 568/699

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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